



Floyd County and the Town of Floyd

Water Source Overview

Major water sources are groundwater wells.

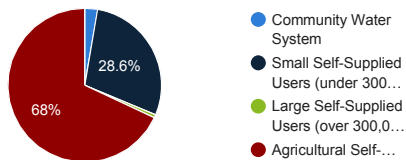
***Table 1:** Reported (2010) and projected (2040) water use by system type for Floyd County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	0.110	0.147
Small Self-Supplied Users (under 300,000 gal/month)	1.168	1.560
Large Self-Supplied Users (over 300,000 gal/month)	0.027	0.037
Agricultural Self-Supplied Users	2.777	2.777

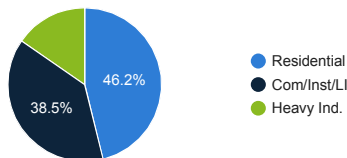
Water Use by System Type

Approximately 11,527 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Floyd County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
2.68	1.40	3.12	1.40

***Figure 3:** Floyd County highlighted in the Commonwealth of Virginia



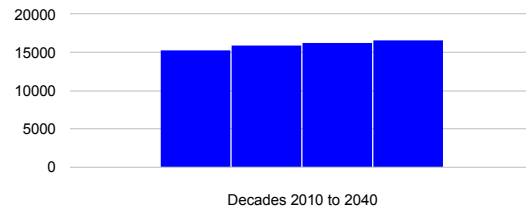
Projected Water Demand

Population and demand are projected to increase through the planning period. Existing water sources are expected to meet projected demands.

***Table 3:** Floyd County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

2010	2020	2030	2040	% Change (2010-2040)
15,279	15,902	16,311	16,645	6.7%

***Figure 4:** Floyd County population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Floyd County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
4.08	4.23	4.37	4.52	10.7%



Drought Management Practices

The County and Town defer to the Floyd County-Floyd County PSA for drought enforcement through its Waterworks Rules and Regulations, adopted by both the County and Town. (New River Valley Regional WSP)